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1 Handoff trigger table for integrated 3G/WLAN networks
[Wenjie Guan, Xinhua Ling, Xuemin \(Sherman\) Shen, Dongmei Zhao](#)

 July 2006 **IWCMC '06: Proceedings of the 2006 international conference and mobile computing**
Publisher: ACM [Request Permissions](#)

 Full text available: [Pdf](#) (138.97 KB)

 Additional Information: [full citation](#), [abstract](#), [...](#)
Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 90, Citation

Vertical handoff is a switching process between heterogeneous wireless network. Vertical handoffs from WLAN to 3G network often fail due to the signal strength in the transition areas. In this paper, ...

Keywords: 3G, WLAN, integrated 3G/WLAN networks, integrated network communications

2 A Scalable Architecture For High-Throughput Regular-Expression Pattern Matching
[Benjamin C. Brodie, David E. Taylor, Ron K. Cytron](#)

 June 2006 **ISCA '06: Proceedings of the 33rd annual international symposium on computer architecture**
Publisher: ACM

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We present and evaluate an architecture for high-throughput pattern matching. Our approach matches multiple patterns concurrently, responds rapidly and is well suited for synthesis in an ASIC or FPGA. ...

Also published in:

 May 2006 **SIGARCH Computer Architecture News** Volume 34 Issue 2

3 Triggers over nested views of relational data
[Feng Shao, Antal Novak, Jayavel Shanmugasundaram](#)

 September 2006 **Transactions on Database Systems (TODS)**, Volume 31 Issue 3

Publisher: ACM [Request Permissions](#)

 Full text available: [Pdf](#) (1.40 MB)

 Additional Information: [full citation](#), [appendix](#), [references](#), [index term](#)
Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 107, Citation

Current systems that publish relational data as nested (XML) views are can only respond to user-initiated queries over the nested views. In this system whereby users can place ...

Keyword s: XML, nested views, relational databases, triggers

4 [Proceedings of the 2006 international conference on Wireless computing](#)



Seizo Onoe, Mohsen Guizani, Hsiao-Hwa Chen, Mamoru Sawahashi
July 2006 **IWCMC '06**: Proceedings of the 2006 international conference and mobile computing

Publisher: ACM

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Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citati

It is our great pleasure to welcome you to the *International Wireless Co Computing Conference (IWCMC 2006)*. This year's Conference continue: premier forum for presentation of research results and ...

5 [Crowd and group animation](#)



Daniel Thalmann, Christophe Hery, Seth Lippman, Hiromi Ono, Stephen Re
August 2004 **SIGGRAPH '04**: SIGGRAPH 2004 Course Notes

Publisher: ACM [Request Permissions](#)

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A continuous challenge for special effects in movies is the production of of rendering and behavior. This course will present state-of-the-art tech will explain in details the different ...

6 [Communications of the ACM: Volume 51 Issue 11](#)



November 2008 Communications of the ACM

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Full text available: [Digital Edition](#), [Pdf](#) (8.26 MB) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 327, Downloads (12 Months): 3195, Citi

7 [A survey of structured and object-oriented software specification me](#)



Roel Wieringa

December 1998 **Computing Surveys (CSUR)**, Volume 30 Issue 4

Publisher: ACM [Request Permissions](#)



Full text available: [Pdf](#) (605.26 KB)

Additional Information: [full citation](#), [abstract](#), [review](#)

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This article surveys techniques used in structured and object-oriented s The techniques are classified as techniques for the specification of exter decomposition. The external specification techniques ...

Keyword s: languages

8 [Communications of the ACM: Volume 52 Issue 8](#)
 August 2009 [Communications of the ACM](#)
Publisher: ACMFull text available:  [Digital Edition](#) ,  [Pdf \(5.55 MB\)](#) Additional Information: [full citation](#)**Bibliometrics:** Downloads (6 Weeks): 4763, Downloads (12 Months): 4763, Citations9 [Process-centered review of object oriented software development m](#)
 Raman Ramsin, Richard F. Paige
February 2008 [Computing Surveys \(CSUR\)](#) , Volume 40 Issue 1**Publisher:** ACM Full text available:  [Pdf \(2.86 MB\)](#) Additional Information: [full citation](#), [abstract](#) ,**Bibliometrics:** Downloads (6 Weeks): 148, Downloads (12 Months): 2264, Citations

We provide a detailed review of existing object-oriented software development processes. The review aims at laying bare their current internal activities. This is done by using a ...

Keywords: Object-oriented methodologies, agile methods, integrated software engineering, seminal methodologies

10 [An open-source CVE for programming education: a case study](#)
 Andrew M. Phelps, Christopher A. Egert, Kevin J. Bierns, David M. Parks
July 2005 [SIGGRAPH '05: SIGGRAPH 2005 Courses](#)**Publisher:** ACM Full text available:  [Pdf \(7.92 MB\)](#) Additional Information: [full citation](#), [references](#)**Bibliometrics:** Downloads (6 Weeks): 27, Downloads (12 Months): 332, Citations11 [Online reorganization of databases](#)
 Gary H. Sockut, Balakrishna R. Iyer
July 2009 [Computing Surveys \(CSUR\)](#) , Volume 41 Issue 3**Publisher:** ACM Full text available:  [Pdf \(886.15 KB\)](#) Additional Information: [full citation](#), [abstract](#) ,**Bibliometrics:** Downloads (6 Weeks): 153, Downloads (12 Months): 153, Citations

In practice, any database management system sometimes needs reorganize some aspect of the logical and/or physical arrangement of a database. I types of reorganization have required denying access ...

Keywords: Clustering, concurrent reorganization, indexes, log-structured online reorganization, redefinition, reorganization, restructuring, schema databases


12 [Requirements interaction management](#)
 William N. Robinson, Suzanne D. Pawlowski, Vecheslav Volkov
June 2003 [Computing Surveys \(CSUR\)](#) , Volume 35 Issue 2**Publisher:** ACM Full text available:  [Pdf \(1.24 MB\)](#) Additional Information: [full citation](#), [abstract](#) ,

Bibliometrics: Downloads (6 Weeks): 66, Downloads (12 Months): 649, Citations: 1

Requirements interaction management (RIM) is the set of activities directed at the management, and disposition of critical relationships among sets of requirements in a critical area of requirements engineering. This survey ...

Keywords: KAOS, KATE, Oz, Requirements engineering, Telos, WinWin system, deficiency driven design, dependency analysis, distributed inter software cost reduction (SCR), system architecture, system specificatio

13 [Seeing, hearing, and touching: putting it all together](#)


 Brian Fisher, Sidney Fels, Karon MacLean, Tamara Munzner, Ronald Rensin
August 2004 **SIGGRAPH '04: SIGGRAPH 2004 Course Notes**

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Full text available:  Pdf (20.64 MB) Additional Information: [full citation](#), [cited by](#)

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14 [Communications of the ACM: Volume 51 Issue 6](#)


 June 2008 Communications of the ACM

Publisher: ACM

Full text available:  Digital Edition,  Pdf (8.89 MB) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 217, Downloads (12 Months): 2564, Citations: 1

15 [Communications of the ACM: Volume 52 Issue 3](#)


 March 2009 Communications of the ACM

Publisher: ACM

Full text available:  Digital Edition,  Pdf (7.04 MB) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 410, Downloads (12 Months): 2654, Citations: 1

16 [Semantic integrity support in SQL:1999 and commercial \(object-\)relational systems](#)

 Can Türker, Michael Gertz

December 2001 **The VLDB Journal — The International Journal on Very Large Databases**
Issue 4

Publisher: Springer-Verlag New York, Inc.


Full text available:  Pdf (345.55 KB) Additional Information: [full citation](#), [abstract](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 259, Citations: 1

The correctness of the data managed by database systems is vital to an enterprise for business, research, and decision-making purposes. To guard databases from errors reflecting real-world data or business rules, semantic ...

Keywords: Constraint enforcement, Object-relational databases, SQL:1999, semantic constraints

17 [An algebraic approach to static analysis of active database rules](#)

 Elena Baralis, Jennifer Widom

September 2000 **Transactions on Database Systems (TODS)**, Volume 25, Issue 3

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (391.93 KB)

Additional Information: [full citation](#), [abstract](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 118, Citations

Rules in active database systems can be very difficult to program due to the unpredictable nature of rule processing. We provide static analysis techniques given a rule set is guaranteed to terminate and whether ...


Keywords: active database systems, confluence, database rule processing, processing, termination

18 FENECIA: failure endurable nested-transaction based execution of c incorporated state analysis

Neila Ben Lakhal, Takashi Kobayashi, Haruo Yokota

January 2009 **The VLDB Journal — The International Journal on Very Large Databases** Issue 1

Publisher: Springer-Verlag New York, Inc.

Full text available:  Pdf (2.46 MB)


Additional Information: [full citation](#), [abstract](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 27, Citations

Interest in the Web services (WS) composition (WSC) paradigm is increasing in distributed computing history is expected to occur when the dream of Service-Oriented Architecture (SOA) is realized. However, there ...


Keywords: Composition, Dependability, Distributed execution, Failure, services

19 Assessing process-centered software engineering environments

 Vincenzo Ambriola, Reider Conradi, Alfonso Fuggetta

July 1997 **Transactions on Software Engineering and Methodology**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (342.52 KB)


Additional Information: [full citation](#), [abstract](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 236, Citations

Process-centered software engineering environments (PSEEs) are the most effective environments supporting software development activities. They exploit the process model that specifies ...

Keywords: CASE, enabling technology, process modeling languages, process engineering environments, software process

20 Practical byzantine fault tolerance and proactive recovery

 Miguel Castro, Barbara Liskov

November 2002 **Transactions on Computer Systems (TOCS)** , Volume 20 Issue 4

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (1.63 MB)

Additional Information: [full citation](#), [abstract](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 33, Downloads (12 Months): 374, Citations: 1

Our growing reliance on online services accessible on the Internet demands that we provide correct service without interruptions. Software bugs, operational errors, and attacks are a major cause of service interruptions ...

Keywords: Byzantine fault tolerance, asynchronous systems, proactive replication, state transfer

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